



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090293

Mode: Highway

Status: Submitted

US-17

From/Cross Street: South Carolina State Line

Specific Improvement Type: 4 - Upgrade Arterial to Superstreet

To: US 74/76

Project Category: Statewide Mobility

Length: 43.89

TIP#: R-4732

Fully Funded in Draft STIP? No

Cost to NCDOT: \$426,139,000

Description:

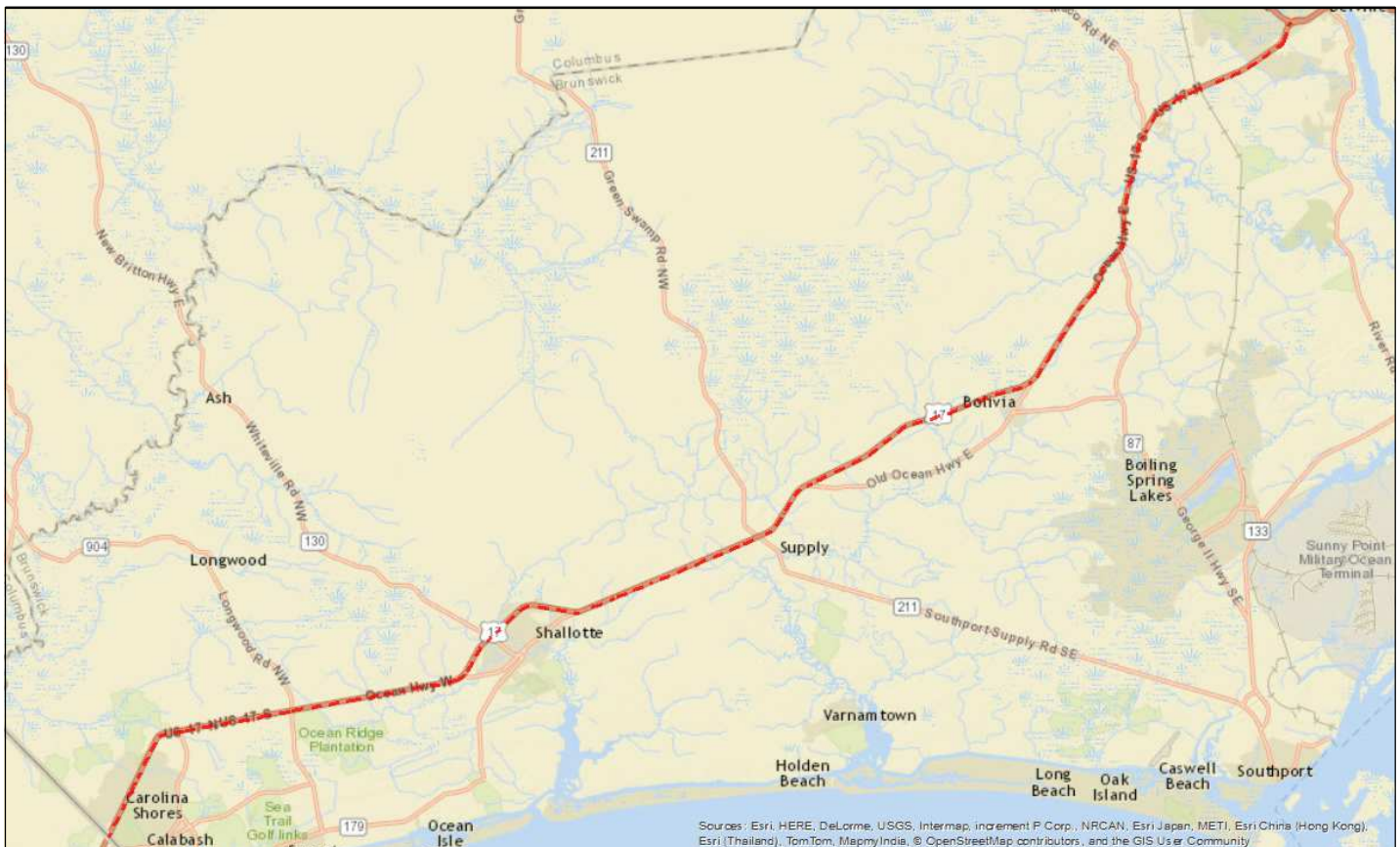
Access Management Improvements at Various Locations.

Division(s): Division 3

County(s): BRUNSWICK

MPOS(s)/RPO(s): Grand Strand Transportation Study Area, Cape Fear RPO, Wilmington Urban Area MPO

Project Location



Statewide Mobility Total Score: 16.2

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Multimodal + [Freight & Military] (20%) 16.25 Congestion (V/C) (30%) 27.95 Safety (10%) 45.68 Economic Competitiveness (10%) 0.00 [Travel Time] Benefit/Cost (30%) 0.00	N/A	N/A
Totals: Weight: 100% Weighted Score: 16.2		

Regional Impact Total Score: 20.73

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (25%) 45.68 Multimodal + [Freight & Military] (25%) 16.25 [Travel Time] Benefit/Cost (20%) 0.00	Percent: 15% Points: 0	Percent: 15% Points: 35
Totals: Weight: 70% Weighted Score: 15.48		

Division Needs Total Score: 16.35

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (20%) 45.68 Multimodal + [Freight & Military] (10%) 16.25 Congestion (V/C) (20%) 27.95	Percent: 25% Points: 0	Percent: 25% Points: 0
Totals: Weight: 50% Weighted Score: 16.35		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	54
Length (miles):	43.89
Facility Type:	Multi-Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	2
Roadway has Curb & Gutter?	No
Volume (AADT):	22899.93
Capacity:	73110.25
Volume/Capacity Ratio:	0.31
% Autos:	93%
% Trucks:	7%
Truck Volume:	1683.42
Crash Density:	47.96
Crash Severity:	49.09
Critical Crash Rate:	40
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	22
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	89
Actual Congested Speed:	56
Travel Time Index:	0.97

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	43.89
Facility Type:	Superstreet
Access Control:	Limited
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	-31124577.05
Travel Time Savings for 30 Years (Autos):	-28836550.78
Travel Time Savings for 30 Years (Trucks):	-2288026.27
Long-Term Employment:	0
% Change in Economy:	0
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 3

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT OnLine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 3	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Grand Strand Transportation Study Area	49%	0	0
Cape Fear RPO	35%	35	0
Wilmington Urban Area MPO	16%	0	0
TOTAL MPO/RPO Points		35	0

Project Cost and Source

Construction Cost:	\$426,139,000	Cost Estimation Tool
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$426,139,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$426,139,000	